

Tendenze ed evoluzione dei periodici elettronici nell'era post-Gutenberg

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I periodici in biblioteca tra crisi e opportunità, Seminario AIB, Modena, 10 dicembre 2009

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Sommario

- I periodici elettronici ieri, oggi e domani
- E-journals 2.0: la forma e il contenuto
- E-journals 2.0: i business models
- E-journals 2.0: la valutazione della ricerca

Alle origini: la stampa



I periodici elettronici ieri

- 1987 – New Horizon in Adult Education
- I primi periodici elettronici nascono all'interno dei newsgroup specializzati come newsletter
- Le prime sperimentazioni appartengono all'area scientifica e biomedica
- Dalla metà degli anni Novanta gli editori internazionali cominciano a migrare le loro riviste sulle piattaforme digitali e nascono i bundles
- Si consolida negli anni il dominio del formato .pdf
- Il periodico elettronico è nella fase "incunabolo"

I periodici elettronici oggi /1

- Il formato elettronico prevale ormai ampiamente su quello cartaceo
 - Nel 2008 secondo la terza indagine condotta dall'ALPSP tra gli editori il **96.1%** dei periodici del settore Scientifico Tecnico Medico e l'**86.5%** dei periodici del segmento scienze umane e sociali era disponibile in formato elettronico
 - Nel 2009 Ulrich's registra **18.515 periodici** elettronici attivi su un totale di più di 26.000 indicizzati

I periodici elettronici oggi /2

- Il **Web 2.0** in combinazione con altri fattori tra i quali l'**Accesso Aperto** e la **internazionalizzazione** della ricerca sta cambiando radicalmente la comunicazione scientifica.
- La forma elettronica prevale su quella cartacea
 - Scompare la versione cartacea
 - Nel 2009 alcuni editori hanno annunciato che dal 2010/2011 abbandoneranno il formato cartaceo
 - American Physiological Society
 - American Chemical Society
 - Scompare lentamente qualsiasi relazione con la versione cartacea
 - Nella forma
 - Nei criteri per la determinazione dei prezzi

I periodici elettronici oggi /3

- Si modificano velocemente le caratteristiche strutturali e di contenuto dei periodici elettronici
 - La linea di demarcazione con altre tipologie di documento e/ o strumenti di pubblicazione (ad esempio i repository) sfuma
 - La struttura in fascicoli si disintegra e il focus di chi fa ricerca, pubblica e valuta si sposta sull'**articolo**
 - Cell Beta - Article of the Future

I periodici elettronici domani

Cell Beta - Article Prototype #1 - Windows Internet Explorer

http://beta.cell.com/erickson/

File Modifica Visualizza Preferiti Strumenti ?
Scarica posta Scrivi Rubrica Rispondi Rispondi a tutti Invia Categorie Elimina Inesiderata Stampa Indietro Avanti

Tutte le cartelle Oggetto Mittente Data

Cell Article Prototype #1 View Prototype #2 Tell Us What You Think Share / Save

May 2, 2008 - Volume 133, Issue 3, pp. 462-474 PDF (1,758 KB)

A Dynamic Pathway for Calcium-Independent Activation of CaMKII by Methionine Oxidation

Jeffrey R. Erickson¹, Mei-ling A. Joiner¹, Xiaoqun Guan¹, William Kutschke¹, Jinying Yang¹, Carmine V. Oddis⁵, Ryan K. Bartlett⁶, John S. Lowe¹, Susan E. O'Donnell², Nukhet Aykin-Burns³, Matthew C. Zimmerman³, Kathy Zimmerman⁹, Amy-Joan L. Ham^{7,8}, Robert M. Weiss^{1,9}, Douglas R. Spitz³, Madeline A. Shea², Roger J. Colbran⁷, Peter J. Mohler^{1,4}, and Mark E. Anderson^{1,4,*} [Affiliations](#)

Abstract Introduction Results Discussion Experimental Procedures Figures (8+) References (51) Authors Comments (3) Acknowledgements

Article Highlights

- Oxidation of methionine residues activates CaMKII
- Angiotensin II induces CaMKII oxidation leading to cardiomyocyte death
- CaMKII methionine oxidation is reversed by MsrA
- Elevated CaMKII oxidation impairs heart function and worsens ischemic injury

Author Interview

Abstract

Calcium/calmodulin (Ca²⁺/CaM)-dependent protein kinase II (CaMKII) couples increases in cellular Ca²⁺ to fundamental responses in excitable cells. CaMKII was identified over 20 years ago by activation dependence on Ca²⁺/CaM, but recent evidence shows that CaMKII activity is also enhanced by pro-oxidant conditions. Here we show that oxidation of paired regulatory

The diagram shows a biological pathway. At the top, 'AngII' and 'Myocardial infarction' are shown as triggers leading to 'H₂O₂'. 'H₂O₂' leads to 'Methionine oxidation' on a protein structure, specifically at residues 'M281' and 'M282'. This oxidation leads to 'CaMKII activation'. 'CaMKII activation' leads to 'Cardiomyocyte apoptosis' and 'Impaired' heart function. A green oval labeled 'MsrA' is shown with an arrow pointing to the oxidized protein, indicating its role in reversing the oxidation. This reversal leads to 'CaMKII reversed autoactivation'.

Fine

start Cell Beta - Article Pro... Posta in arrivo per m... mcassell (2:) Microsoft PowerPoint ... IT 100% 9.02

E-journals 2.0: la forma

- Ibrida (Scholarpedia, PLoS ONE)
- Multimediale
 - Video (JoVE), podcasts
- Interattiva (PLOS ONE)
 - RSS feed, comments, ratings, social tagging, blogs (**EveryONE**)
- Community oriented (**Nature**)
 - Il concetto di “comunità di pratica” si amplia e arriva ad includere anche non accademici, liberi professionisti, cultori della materia, privati cittadini
 - “comunità di pratica”=“reti sociali informali”

Il caso PLoS ONE

- Una delle sette riviste open access della Public Library of Science
- Nasce il 21 dicembre 2006
- Caratteristiche strutturali di una rivista di 2. generazione
 - Abbandona la struttura in fascicoli
 - E' una rivista interattiva
 - E' una rivista *peer-reviewed* ma anche un grande contenitore di contenuti scientifici organizzati per aree disciplinari (tra le altre: biologia, ecologia, chimica, medicina)
 - Il modello commerciale è di tipo author-pays (gli autori pagano per pubblicare)



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"Drop that Burger" says PLoS co-founder Pat Brown in Forbes

<http://tinyurl.com/drophthat...>

about 20 hours ago from web

The astronomical orientation of Greek Temples

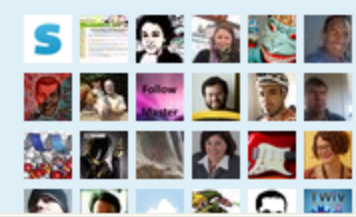
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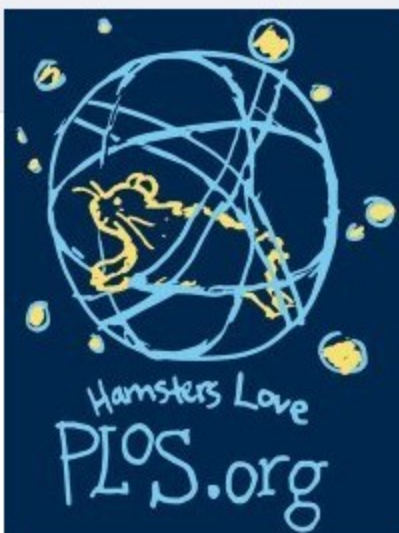
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PLoS.org Register for webinar (December 11th) on new workflow tools and academic publishing featuring Pete Binfield, PLoS ONE Publisher

<https://www1.gotomeeting.com/register/774351232>

Ven alle 15.35



A Mariam piace questo elemento.



PLoS.org Register for December 11th Webinar on how workflow tools impact academic publishing featuring PLoS ONE Publisher, Pete Binfield

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Ven alle 15.33



PLoS.org

The Maize Genome Collection in PLoS Genetics

Today we're excited about the Maize Genome collection just published in PLoS Genetics. Now that so many eukaryotic genomes are available, it's easy to be blasé... just another few billion bases, grist for constructing gene trees. Why is this new information, so recently shared, worth considering? F...



19 novembre alle ore 13.34



A Grégoire, Nicole, Paula e tutti piace questo elemento.

Informazioni

Creata:
October 2000

fan

6 di 4.781 fan

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Il caso JoVE

- Journal of Visualized experiments (JoVe) nasce nel 2006
- Cosa è?
 - Rivista elettronica referata mensile che pubblica esclusivamente video su protocolli sperimentali di biologia
- “Written word and static picture-based traditional print journals are no longer sufficient to accurately transmit the intricacies of modern research”

(Source: JoVE web site)

What is JoVE?

Journal of Visualized Experiments (JoVE) is a video journal for biological research.

Categories

- Medicine
- Neuroscience
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- Microbiology
- Immunology
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Issue 32: October

11/20/2009

Combining Peripheral Nerve Grafting and Matrix Modulation to Repair the Injured Rat Spinal Cord

John D. Houle, Arthi Amin, Marie-Pascale Cote, Michel Lemay, Kassi Miller, Harra Sandrow, Lauren Santi, Jed Shumsky, Veronica Tom
Department of Neurobiology and Anatomy, Drexel University College of Medicine




Traumatic injury to the spinal cord disrupts communication with the brain. To restore lost connectivity we utilize a peripheral nerve graft to provide a substratum for regenerating fibers in combination with neurotrophic factors and matrix-modulating enzymes to remove inhibitory molecules to promote long distance growth.

[View Protocol >>](#)

11/19/2009

Measuring the Induced Membrane Voltage with Di-8-ANEPPS

Gorazd Pucihar, Tadej Kotnik, Damijan Miklavčič
Department of Biomedical Engineering, Faculty of Electrical Engineering, University of Ljubljana



External electric field induces a voltage on the membrane of a cell, termed the induced membrane voltage ($\Delta\Phi$). By using the potentiometric dye di-8-ANEPPS...

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
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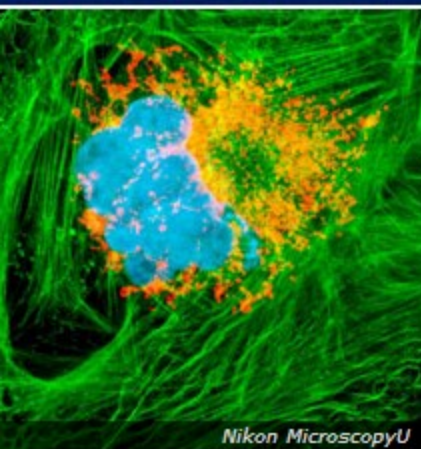
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23 November 2009



Nikon MicroscopyU

Gene silencing predicted to improve drug manufacturing

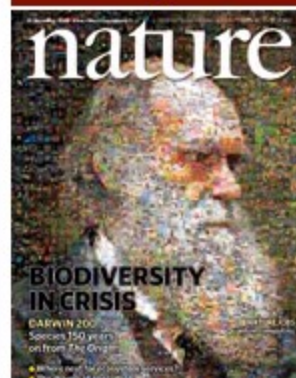
Biotech firm hopes to use RNA interference to boost drug yields.

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- Commerciale
 - Dal modello *print + online* al modello *e-only* + eventualmente carta a Deep Discount Price (DDP)
 - I *Pricing models* tra cartaceo ed elettronico si divaricano sempre di più
- Il costo basato sulla sottoscrizione tende a scomparire. Tra i nuovi criteri per la determinazione dei prezzi delle riviste:
 - Il numero di utenti **Full Time Equivalent**
 - Il differente **potere di acquisto**
 - Se l'istituzione che acquista è focalizzata sulla **ricerca** o sulla didattica

E-journals 2.0: i business models open access

- Membership fee
- Author-pays
- Sponsoring consortium (Scoap3)
- Servizi a pagamento a valore aggiunto (es. Faculty of 1000 Biology)

**SPARC - Income models for
supporting Open Access**

E-journals 2.0 e la valutazione qualitativa della ricerca

- La valutazione qualitativa (*peer-review*) resta un punto di forza, ma si combina con una valutazione di tipo collaborativo offerta dagli strumenti del Web 2.0
 - Public/Social peer-review
- Alcune riviste sperimentano sezioni per la discussione aperta prima o dopo la pubblicazione dell'articolo
 - Atmospheric-chemistry-and-physics

E-journals 2.0 e la valutazione quantitativa della ricerca

- Il mezzo digitale consente di affiancare ai tradizionali indicatori bibliometrici basati sull'analisi citazionale (IF, primo tra tutti) nuovi indicatori e di creare nuove metriche di valutazione
 - Lo Usage Factor (UF) indicatore basato sull'uso
 - Da una Author Generated Network a una Reader Generated Network
 - MESUR (Metrics from Scholarly Usage of Resources)
 - Pirus

Article-level metrics

